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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ronald A. Katz)
Serial No.: 08/476,662,)
Filed: June 7, 1995)
For: TELEPHONIC-INTERFACE)
STATISTICAL ANALYSIS SYSTEM)
Docket No.: 9002-1B670USE)
(prev. 6646-101NF))

) Examiner: T. Brown

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707 Wilshire Blvd., 32nd Floor
Los Angeles, CA 90017
October 18, 1996

Assistant Commissioner
for Patents
Washington, DC 20231

Sir:

Further to the response to the communication from the Examiner dated August 6, 1996, and further to the amendment filed in response to the office action dated December 27, 1995, please further amend the above-identified application as indicated below.

IN THE CLAIMS:

Please amend claims 29-30, 40-41, 50-51, 55-56, 59, 62, 64-65, 67-68, 73, 75-80, 88-90, 95-97, 102, 104, 108-109, 111, 114, 119, 122, 125-128, 130-131, 134-141, 144, 146-153, 156, 159-160, and 172-173 as follows, and cancel claims 74 and 145, without prejudice:

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1 103 44.00 CK
1 126 230.00 CK

27 said identification data] responsive to said approval
28 signals to isolate a subset of individual callers.

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2 20. (Amended) A process according to claim 29, wherein a
3 limit on use with respect to each of said individual callers
 specifies a predetermined number of [calls] uses.

1 11. (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 an interface structure coupled to said communication
9 facility to interface each of said remote terminals for
10 voice and digital communication, and including means to
11 provide caller data signals representative of data relating
12 to said individual callers developed by said remote
13 terminals and including means to automatically receive
14 calling terminal digital data from said communication
15 facility;

16 voice generator structure coupled through said
17 interface structure for actuating each of said remote
18 terminals as to provide vocal operating instructions to each
19 of said individual callers;

20^H record structure, including memory and control means,
21 connected to receive said caller data signals from said
22 interface structure for accessing a file; and
23 designation structure coupled to said interface
24 structure and said record structure for developing
25 individual designations for at least certain of said
26 individual callers, indicative of caller significance in
27 order to isolate a subset of said individual callers at
28 calling remote terminals.

~~1 S-541. (Twice Amended) An analysis system for use with a
2 communication facility including remote terminal apparatus for
3 individual callers, wherein said remote terminal apparatus may
4 comprise a conventional telephone instrument including voice
5 communication means, and digital input means in the form of an
6 array of alphabetic numeric buttons for providing identification
7 and answer data, said analysis system comprising:
8 interface means selectively coupled to said
9 communication facility to interface said remote terminal
10 apparatus for voice and digital communication and including
11 means to provide signals values from data developed by said
12 remote terminal apparatus;
13 voice generator means selectively coupled through said
14 interface means to said remote terminal apparatus for
15 providing vocal operating instructions to said individual
16 callers;~~

17 designation means selectively coupled to said interface
18 means for assigning individual designations to said
19 individual callers; and
20 processing means for providing processing data, and
21 storage means for registering said processing data, said
22 processing means for isolating a subset of said individual
23 callers based on repeated comparisons of said processing
24 data registered against said processing data including data
25 associated with said individual callers.

1 Sub 50. (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 interface structure coupled to said communication
9 facility to interface said remote terminals for voice and
10 digital communication and including means to provide signals
11 representative of data developed by said remote terminals
12 and including means to automatically receive called number
13 identification signals to identify one of a plurality of
14 different called numbers;
15 voice generator structure coupled through said
16 interface structure for actuating said remote terminals as

17 to provide vocal operating instructions to specific ones of
18 said individual callers;

19 record means, including memory and control means,
20 connected to said interface structure for accessing a file
21 and storing data relating to said individual callers;

22 designation means coupled to said interface structure
23 and said record means for assigning individual designations
24 to said individual callers and storing said designations in
25 said record means as part of said data relating to said
26 individual callers [, ~~said designation means including means~~
~~for storing representations of a customer number and other~~
~~data provided by a caller]; and~~

27
28
29
30 encoding means coupled to said record means and said
31 designation means for encoding at least certain of said data
relating to calls from said individual callers.

1 51. (Amended) An analysis control system according to
2 claim 50, wherein said designation means includes means for
3 storing representations of [said] other data provided by said
4 caller [includes] including caller PIN number data.

1 Sub G9 55. (Amended) An analysis control system according to
claim 50, wherein said designation means includes means for
storing customer number data which is tested to determine if said
customer number data indicates negative or cancelled status.

1 56. (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 interface structure coupled to said communication
9 facility to interface said remote terminals for voice and
10 digital communication, and including means to provide caller
11 data signals representative of data relating to said
12 individual callers developed by said remote terminals and
13 including means to automatically receive called number
14 identification signals (DNIS) to identify a select one of a
15 plurality of different called numbers associated with a
16 select format of a plurality of different formats;

17 record structure, including memory and control means,
18 connected to receive said caller data signals from said
19 interface structure for accessing a file and storing certain
20 of said data developed by said remote terminals relating to
21 certain select ones of said individual callers; and

22 qualification structure coupled to said record
23 structure for qualifying access by said individual callers
24 to said select format based on at least two forms of
25 distinct identification including caller customer number
26 data and at least one other distinct identification data

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element consisting of personal identification data provided by a respective one of said individual callers.

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3D 59. (Amended) An analysis control system according to claim 57, wherein said caller credit card number data is verified 3 on-line.

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1 33,62. (Amended) An analysis control system according to claim [61] 27, wherein said personal identification data is PIN 3 number data.

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1 35,64. (Amended) An analysis control system according to 2 claim [56] 32, wherein said access to at least a portion of said 3 system is provided based upon a computer generated number 4 identifying a previous transaction, said computer generated number indicative of caller transaction order data.

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1 36. (Amended) An analysis control system according to 2 claim 56, wherein said caller customer number data is calling 3 number identification data automatically provided by said 4 communication facility.

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cont'd

1 38,67. (Amended) An analysis control system according to 2 claim 66, wherein said consumable participation key is comprised 3 of said at least [said] two forms of distinct identification.

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Sub G1268. (Amended) An analysis control system according to
claim 67, wherein at least one of said at least two forms of
3 distinct identification includes social security number data.

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1 44~~73~~⁴². (Amended) An analysis control system according to
claim ~~71~~, wherein said plurality of call distributors are
3 accessed under control of call allocation routing capability of
4 said communication facility.

1 45~~75~~²⁷. (Amended) A system according to claim [74]~~56~~⁴⁵, wherein
2 said select format is one form of an [a television initiated
3 mail] order format.

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1 46⁴⁵. (Amended) A system according to claim [74]~~75~~²⁷, wherein
2 said select order format is one form of a [merchandising]
3 television initiated mail order operation.

(PMTB)
1 47⁴⁶. (Amended) A system according to claim ~~76~~⁷⁶, wherein said
2 one form of said [merchandising] television initiated mail order
3 operation further receives and stores at least a portion of
4 calling number identification signals automatically provided by
5 said communication facility.

1 48⁴⁷. (Amended) An analysis control system according to
2 claim [74]~~56~~²⁷, wherein an additional form of distinct
3 identification is provided by said individual callers on-line and

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4 is stored for subsequent use.

Sub G13 79. (Amended) An analysis control system according to
claim [74] 56, wherein [at least one of either said caller
customer number data or] said personal identification data
[element] is provided on-line [for] by said individual callers
and [for storing said caller customer number data or said
personal identification data] is stored in said record structure
for subsequent use.

F/0 C6 80. (Amended) An analysis control system according to
claim 56, wherein said certain select ones of said individual
callers at said remote terminals are switched to any one of a
plurality of live operators.

Sub G15 88. (Amended) An analysis control system according to
claim 56, wherein [at least one of said plurality of called
numbers identifies] said select format is identified by said one
or more of said plurality of different called numbers and is a
distinct operating process merchandising format for processing
with customer's interactive order.

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89. S6 (Amended) An analysis control system according to
claim 88, wherein said qualification structure tests credit for
said individual callers [credit].

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1 90. (Amended) An analysis control system according to
F/2 57 claim 89, wherein said qualification structure testing for credit
C/ONCT tests said caller customer number data for unacceptable or
4 cancelled credit status.

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1 95. (Amended) An analysis control system according to
2 61 claim [94] 93, wherein said personal identification data
3 comprises a PIN number.

1 *Sub G17* 96. (Amended) An analysis control system according to
2 claim 94, wherein [at least one of either said caller customer
3 number data or] said personal identification data element is
4 provided on-line for said individual callers and [for initially
5 storing said caller customer number data or said personal
6 identification data] is stored in said record structure for
7 subsequent use.

1 97. An analysis control system for use with a communication
2 facility including remote terminals for individual callers,
3 wherein each of said remote terminals may comprise a conventional
4 telephone instrument including voice communication means, and
5 digital input means in the form of an array of alphabetic numeric
6 buttons for providing data, said analysis control system
7 comprising:

8 an interface structure coupled to said communication
9 facility to interface said remote terminals for voice and

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10 digital communication, and including means to provide caller
11 data signals representative of data relating to said
12 individual callers developed by said remote terminals and
13 including means to automatically receive called number
14 identification signals (DNIS) to identify a select format
15 from a plurality of formats;

16 voice generator structure coupled through said
17 interface structure for actuating said remote terminals as
18 to provide voice operating instructions to said individual
19 callers;

20 record structure, including memory and control means,
21 connected to receive said caller data signals from said
22 interface structure for accessing a file and storing digital
23 caller data relating to said individual callers provided
24 from said digital input means through said interface
25 structure; and

26 qualification structure for testing caller data signals
27 provided by at least one of said individual callers to
28 specify a consumable participation key [and further] for use
29 during a predetermined time for restricting the extent of
30 access to at least a portion of said system by said one of
31 said individual callers on the basis of entitlement.

1 F13 S18 G18
2 102. (Amended) A process according to claim 100, wherein
3 said qualifying step limits access by said individual callers to
a predetermined interval on the basis of entitlement.

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1 72 104. (Amended) A process according to claim 103, wherein
2 said [select] specific operating format is an automated
3 promotional format associated with said [select] specific
4 operating format.

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1 76 108. (Amended) A process according to claim 100, further
2 comprising the step of:
3 allocating calls from said individual callers through
4 said communication facility to window callers.

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1 77 109. (Amended) A process [for controlling operations of
2 the interface with a telephonic communication system] according
3 to claim 100, further comprising the step of:
4 receiving said call data signals indicative of calling
5 number identification data with respect to all or nearly all
6 of said individual callers.

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1 79 111. (Amended) A process for controlling operations of an
2 interface with a telephonic communication system including remote
3 terminals for individual callers, wherein each of said remote
4 terminals may comprise a conventional telephone instrument
5 including voice communication means and digital input means in
6 the form of an array of alphabetic numeric buttons for providing
7 data and wherein said telephonic communication system has a
8 capability to automatically provide call data signals indicative
9 of calling number identification data or called number

10 identification data (DNIS) or both, said process including the
11 steps of:

12 providing products carrying concealed participation
13 numbers specifying limits on use to entitle said individual
14 callers to access said operations of the interface with said
15 telephonic communication system;

16 receiving said call data signals indicative of called
17 number identification data including a called number (DNIS)
18 dialed by individual callers to select a specific operating
19 format from a plurality of operating formats of said
20 operations of the interface;

21 coupling remote terminals to said interface for
22 providing voice signals to said individual callers and
23 generating said voice signals for actuating said remote
24 terminals as to provide vocal operating instructions to
25 specific ones of said individual callers;

26 receiving digital identification data from said
27 individual callers responsive to said voice signals
28 including said participation numbers and answer data
29 provided from said remote terminals under control of said
30 individual callers;

31 qualifying said individual callers by testing to
32 determine if said individual callers are entitled to access
33 said operations of the interface based on said limits on use
34 specified by said participation numbers and accordingly
35 approving qualified individual callers;

36 conditionally aborting interaction during said
37 operations of the interface with an individual caller at a
38 remote terminal and coupling said remote terminal to an
39 interface terminal under predetermined conditions for direct
40 personal communication;
41 accessing a memory with said participation numbers and
42 storing data relating to calls from said individual callers;
43 and
44 processing at least certain of said answer data
45 responsive to approving said qualified individual callers.

1 82~~114~~. (Amended) A process according to claim ~~111~~ ⁷⁹, wherein
+ said step of receiving includes receiving said called number
F/17 identification data to identify one form of an automated
2 promotional format associated with said [product] products as
3 said specific operating format.

S 30 G 20 119. (Amended) A process for controlling operations of the
2 interface with a telephone communication system, said process
3 including the steps of:
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4 providing products carrying participation numbers
5 concealed within the packaging of said products, said
6 participation numbers specifying limits on use to entitle
7 individual callers to access said operations of the
8 interface with said telephone communication system;
9 coupling remote terminals to said interface for

10 providing voice signals to said individual callers and
11 generating said voice signals for actuating said remote
12 terminals as to provide vocal operating instructions to
13 specific ones of said individual callers;

14 receiving digital identification data from said
15 individual callers responsive to said voice signals
16 including said participation numbers for said individual
17 callers and answer data provided from said remote terminals
18 under control of said individual callers;

19 qualifying said individual callers by testing to
20 determine if said individual callers are entitled to access
21 said operations of the interface based on said limits on use
22 specified by said participation numbers for said individual
23 callers and accordingly approving qualified individual
24 callers;

25 accessing a memory with said participation numbers for
26 said individual callers and storing data relating to calls
27 from said individual callers;

28 processing at least certain of said answer data
29 responsive to approving said qualified individual callers; *and*

30 receiving calling number identification signals from
31 said communication facility for said individual callers and
32 utilizing at least part of said calling number
33 identification signals in said processing step.

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cont'd 122. (Amended) A process according to claim 119, wherein

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2 said step of qualifying ~~further restricts the extent of access~~
3 ~~during a predetermined time to at least a portion of said system~~
4 ~~on the basis of entitlement [based upon said limits on use takes~~
5 ~~place on-line].~~

1 93125. (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data and wherein said
7 communication facility has a capability to provide call data
8 signals indicative of calling number identification data and
9 called number identification data for at least certain of said
10 individual callers, said analysis control system comprising:

11 interface structure coupled to said communication
12 facility to interface each of said remote terminals for
13 voice and digital communication, and including means to
14 provide signals representative of data developed by said
15 remote terminals and for receiving said calling number
16 identification data and said called number identification
17 data (DNIS) to identify one from a plurality of called
18 numbers;

19 voice generator structure coupled through said
20 interface structure for actuating said remote terminals as
21 to provide vocal operating instructions to said individual

22 callers;

23 ^{Sub G 22} record structure, including memory and control means,
24 connected to said interface structure for accessing a file
25 and storing data relating to certain select ones of said
26 individual callers in accordance with said calling number
27 identification data;

28 qualification structure controlled by said record
29 structure for controlling access to said system by said
30 individual callers; and

31 means for processing at least certain of said data
32 developed by said remote terminals relating to certain
33 select ones of said individual callers.

✓ 22 ^{Sub G 22} 26. (Amended) An analysis control system according to
claim 125, wherein said communication facility further
[comprising] comprises:
call allocation routing capability to window said
individual callers.

✓ 27. 94 95
1 (Amended) An analysis control system according to
2 claim 126, wherein said one from a plurality of called [number]
3 numbers corresponds to a select one of a plurality of formats.

✓ Sub G 23 128. (Amended) An analysis control system for use with a
communication facility including remote terminals for individual
callers, wherein each of said remote terminals may comprise a

4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 an interface structure coupled to said communication
9 facility to interface said remote terminals for voice and
10 digital communication, and including means to receive answer
11 data signals provided by said individual callers from said
12 remote terminals wherein said communication facility
13 automatically provides called number identification data
14 signals indicating a called number (DNIS) dialed by an
15 individual caller and said called number (DNIS) is one of a
16 plurality of called numbers;

17 12 18
19 01/10 20
21 voice generator structure coupled through said
22 interface structure for actuating said remote terminals as
23 to provide vocal operating instructions to said individual
24 callers;

25 record structure including memory and control means for
26 storing answer data signals and for receiving identification
27 data signals for specific individual callers, said record
28 structure further including means for receiving additional
identification data signals on-line for said specific
individual callers and for storing said additional
identification data signals in said record structure for
subsequent identification of said individual callers; and
means for processing at least certain of said answer

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data signals relating to select ones of said individual
callers.

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130. (Amended) An analysis control system according to
2 claim 128, wherein said identification data signals comprises
3 caller customer number data.

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1 131. (Amended) An analysis control system according to
2 claim 130, wherein said additional identification data signals
3 comprises at least one of caller PIN number data, caller initials
4 data or caller telephone number data.

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134. (Amended) An analysis control system, according to
2 claim 133, wherein said additional identification data signals
3 are indicative of caller PIN number data.

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1 135. (Amended) An analysis control system according to
2 claim 133, wherein said communication facility further
3 [comprising] comprises:
4 call allocation routing capability to window said
5 individual callers.

104
1 136. (Amended) [A] An analysis control system according to
2 claim 128, further comprising:
3 means for providing computer generated number data
4 indicative of caller transaction sequence data and storing

5 said computer generated number data in said record
6 structure.

1 137. (Amended) [A] An analysis control system according to
2 claim 136, wherein said computer generated number data are
3 provided in a chronological order to said individual callers
4 during a data acquisition phase.

1 138. (Amended) [A] An analysis control system according to
2 claim 128, wherein said one of a plurality of called numbers
3 [identify] identifies a plurality of distinct operating formats.

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1 139. (Amended) [A] An analysis control system according to
2 claim 138, further comprising:
3 qualification structure to test said individual callers

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on the basis of limits specified on use.

1 140. (Amended) [A] An analysis control system according to
2 claim 138, wherein a select one of said plurality of distinct
3 operating formats is an automated ordering format.

1 141. (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means and digital input means in the form of an array of

6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 interface structure coupled to said communication
9 facility to interface said remote terminals for voice and
10 digital communication and including means to provide signals
11 representative of data developed by said remote terminals;

12 voice generator structure selectively coupled through
13 said interface structure to said remote terminals for
14 providing vocal operating instructions to individual ones of
15 said individual callers;

16 record memory connected to said interface structure for
17 accessing a file and storing data relating to certain select
18 ones of said individual callers including voice data and
19 digital data developed by said remote terminals;

20 qualification structure for qualifying said individual
21 callers by testing to determine if said individual callers
22 are entitled to access processing formats of said analysis
23 structure;

24 structure selectively coupled to said interface
25 structure and said record memory for providing computer
26 generated numbers to said individual callers and storing
27 said computer generated numbers in said record memory; and

28 analysis structure connected to said record memory for
29 processing at least certain of said data relating to certain
30 select ones of said individual callers [to isolate a subset
31 of said callers]; and

32 means to control processing formats of said analysis
33 structure in accordance with signals automatically provided
34 by said communication facility indicative of a respective
35 one of a plurality of called numbers (DNIS) for a respective
36 one of said processing formats.

1 112 144. (Amended) An analysis control system according to
2 claim 141, wherein one of said plurality of called numbers (DNIS)
3 is a pay to dial number.

1 113 146. (Amended) [A] An analysis control system according to
2 claim [145] 141, wherein one form of [said] a select processing
3 format polls certain individual callers for personal information
4 data.

1 114 147. (Amended) [A] An analysis control system according to
2 claim 146, wherein said personal information data includes
3 physical characteristic data.

1 148. (Amended) [A] An analysis control system according to
2 claim 147, wherein said physical characteristic data includes age
3 data.

1 149. (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a

4 conventional telephone instrument including voice communication
5 means and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data and wherein said
7 communication facility has a capability to provide calling number
8 identification data, said analysis control system comprising:

9 multiple automatic call distributors at geographically
10 distinct locations for receiving calls from said individual
11 callers at said remote terminals;

12 interface structure coupled to said communication
13 facility to interface said remote terminals for voice and
14 digital communication and including means to receive caller
15 data signals representative of data relating to said
16 individual callers, including caller personal identification
17 data and said calling number identification data provided
18 automatically by said communication facility;

19 voice generator structure coupled through said
20 interface structure for actuating said remote terminals as
21 to provide vocal operating instructions to said individual
22 callers and to prompt said individual callers to enter data;

23 record testing structure connected to receive and test
24 said caller data signals including said calling number
25 identification data and said caller personal identification
26 data against previously stored calling number identification
27 data and caller personal identification data; and

28 analysis structure for receiving and processing said
29 caller data signals under control of said record testing

30 structure.

1 150. (Amended) An analysis control system according to
2 claim 149, wherein said communication facility further
3 [comprising] comprises:

4 call allocation routing capability to window said
5 individual callers.

1 151. (Amended) A process for controlling operations of an
2 interface with a telephonic communication system including remote
3 terminals for individual callers, wherein each of said remote
4 terminals may comprise a conventional telephone instrument
5 including voice communication means and digital input means in
6 the form of an array of alphabetic numeric buttons for providing
7 data and wherein said telephonic communication system has a
8 capability to automatically provide call data signals indicative
9 of calling number identification data or called number
10 identification data (DNIS) or both, said process including the
11 steps of:

12 providing products carrying participation numbers
13 concealed within said products specifying limits on use
14 relating to a dollar amount to entitle said individual
15 callers to access operations of said interface with
16 said telephonic communication system;

17 receiving said call data signals indicative of called
18 number identification data including a called number (DNIS)

19 dialed by said individual callers to select a specific
20 operating format from a plurality of operating formats of
21 said operations of said interface wherein at least one of
22 said plurality of operating formats includes an automated
23 promotional format for promoting said products;

24 coupling said remote terminals to said interface for
25 providing voice signals to said individual callers and
26 generating said voice signals for actuating said remote
27 terminals as to provide vocal operating instructions to
28 specific ones of said individual callers;

29 receiving digital identification data from said
30 individual callers responsive to said voice signals
31 including said participation numbers and answer data
32 provided from said remote terminals under control of said
33 individual callers;

34 qualifying said individual callers by testing to
35 determine if said individual callers are entitled to access
36 said operations of said interface based on said limits on
37 use specified by said participation numbers and accordingly
38 approving qualified individual callers;

39 accessing a memory with said participation numbers and
40 storing data relating to calls from said individual callers;

41 processing at least certain of said answer data
42 responsive to approving said qualified individual callers;
43 and

44 providing on-going accounting data to said individual

45 callers, said on-going accounting data for at least one of a
46 plurality of [said] intervals is determined at least in part
47 by said answer data provided by an individual caller during
48 a call and during at least one of said intervals includes
49 real time data provided to an individual caller on-line.

119

1 152. (Amended) A process according to claim 151, further
2 including a step of aborting interaction between said telephonic
3 communication system and [an] said individual caller at a remote
4 terminal during the operations of the interface and coupling said
5 remote terminal to an interface terminal for direct personal
communication.

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1 120 119
2 153. (Amended) A process according to claim 152, further
comprising the step of:
3 providing prompts to said interface terminal during
4 direct personal communication with data relating to said
5 calls from said individual callers.

1 156. (Amended) A process according to claim 151, wherein
2 said qualifying step limits access by said individual callers to
3 a predetermined interval based on entitlement.

1 125 159. (Amended) An analysis control system for use with a
2 communication facility including remote terminals for individual
callers, wherein each of said remote terminals may comprise a

4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 an interface structure coupled to said communication
9 facility to interface said remote terminals for voice and
10 digital communication, and including means to provide caller
11 data signals representative of data relating to said
12 individual callers developed by said remote terminals;

13 voice generator structure coupled through said
14 interface structure for actuating said remote terminals as
15 to provide vocal operating instructions to said individual
16 callers;

17 *H* record structure
18 record structure, including memory and control means,
19 connected to receive said caller data signals from said
20 interface structure for accessing a file relating to said
21 individual callers including said individual callers' credit
22 card numbers provided from said digital input means through
23 said interface structure;

24 credit verification structure to verify on-line said
25 credit card numbers wherein said credit verification
26 structure at least verifies that said individual **[callers]**
27 callers' credit card **[number has]** numbers have not been
28 cancelled; and

29 qualification structure controlled by said record
structure for testing caller data signals provided by said

30 individual callers to specify consumable participation keys
31 for restricting the extent of access to at least a part of
32 said system by said individual callers on the basis of
33 entitlement.

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~~160.~~ (Amended) An analysis control system according to

2 claim ~~159~~¹²⁵, wherein said individual callers are prompted to
3 provide certain of said caller data signals to identify said
4 individual callers.

1 138172. (Amended) An analysis control system according to
2 claim ~~170~~¹³⁶, further comprising:

3 processing structure to process at least certain of
4 said calling number identification data.

F2b
139

~~173.~~ (Amended) An analysis control system according to

2 claim ~~159~~¹²⁵, wherein certain of said [caller provided] caller data
3 signals provided by said individual callers are stored in said
4 record structure.

Please add the following new claims 175-178 as indicated below:

1 141~~175~~²¹. An analysis control system according to claim ~~50~~²¹,

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wherein said individual designations include sequence data and
other caller data.

142

~~v176.~~ An analysis control system according to claim 56,
 wherein said individual callers provide said at least one other
 distinct identification data element on-line and said distinct
 identification data element is stored for subsequent use.*etc*

143

109

~~v177.~~ An analysis control system according to claim 141,
 wherein said computer generated numbers indicate a sequence in
 which calls from said individual callers occur.*etc*

144

109

~~v178.~~ An analysis control system according to claim 141,
 wherein said analysis structure processes at least certain of
 said data relating to certain select ones of said individual
 callers to isolate a subset of said individual callers.*etc*

R E M A R K S

In anticipation of concluding prosecution of this application in the near future, Applicant, by this supplemental amendment, has made an earnest attempt to correct any inconsistent terminology, to address any lack of antecedent bases, and/or to further clarify the claims, where necessary. In particular, claims 29-30, 40-41, 50-51, 55-56, 59, 62, 64-65, 67-68, 73, 75-80, 88-90, 95-97, 102, 104, 108-109, 111, 114, 119, 122, 125-128, 130-131, 134-141, 144, 146-153, 156, 159-160, and 172-173 are amended; and claims 74 and 145, are canceled, without prejudice.

Specifically, Applicant has amended claim 29 to recite

96

--said-- operations, at line 6, which recitation has antecedent basis in the preamble. Also, he has deleted the recitation "and said identification data," at lines 26-27. Claim 30, which depends on claim 29, is amended to recite --individual-- callers consistent with previous occurrences in the parent claim and to recite a number of --uses-- instead of "calls."

Applicant has amended claim 40 to recite --at least certain of-- said individual callers, at line 25.

Applicant has amended claims 41 and 50 to consistently recite --remote-- terminals throughout both claims. Applicant has also amended claim 50, at lines 26-28, to eliminate the recitation of the "designation means including means for storing representations of a customer number and other data provided by a caller." Dependent claims 51 and 52 are amended accordingly.

Applicant has amended claim 56, at lines 15-16, to further clarify that "a select one of a plurality of different called numbers" is --associated with a select format of a plurality of different formats--. Furthermore, at lines 23 and 24, Applicant has specified that the qualification structure qualifies --access by-- said individual callers --to said select format--. Claims 59, 65, 68, and 80, are amended to recite consistent terminology. Claim 62 is amended to depend on claim 56 and claim 64 is amended to depend on claim 61. Claim 67 is amended to recognize antecedent basis for the recitation of --said-- at least two forms of distinct identification. Claim 73 is amended to clarify that the call allocation routing capability is with the

communication facility. As claim 74 is canceled, claims 75 and 78 are amended to depend on claim 56, and claim 76 is amended to depend on claim 75. Claim 75 is also amended to simply recite an order format and claim 76 is amended to specify that the order format is one form of a television initiated mail order operation. Claim 77 is amended to be consistent with the amendments to claim 76. Claim 79 is amended to depend on claim 56 as claim 74 stands canceled, and to delete reference to "caller customer number data." Claim 88 is amended to conform to the amendments to claim 56. Claim 89 is amended to address a possible lack of antecedent basis for the recitation "credit." Claim 90 is amended to recite consistent terminology and an alternative indicated by the recitation --or--. Claim 95 is amended to depend on claim 93, rather than claim 94. Claim 96 is again amended to delete the reference to "caller customer number data."

Claim 97 is amended, at line 28, to recite that the consumable participation key is --for use-- during a predetermined time.

Claim 102 is amended to further clarify that access is limited --on the basis of entitlement--. Claim 104 is amended to recite consistent terminology with its parent claim. Claim 108 is amended to further clarify that calls are allocated --through-- the communication facility. The preamble of claim 109 is amended to be consistent with the other claims.

Claims 111, 114, and 115 are amended to recite consistent

terminology.

Claim 122 is amended to recite that the step of qualifying --further restricts the extent of access during a predetermined time to at least a portion of said system on the basis of entitlement--.

Claims 125 and 127 are amended to recite consistent terminology. Claim 126 is amended to further clarify that the call allocation routing capability is with the communication facility.

Claims 128, 130, 131, 134, 136, 137, 138, 139, and 140 are amended to recite consistent terminology. Claim 135 is amended to further clarify that the call allocation routing capability is with the communication facility.

Claim 141 is amended to recite consistent terminology and at lines 20-23, to further recite --qualification structure for qualifying said individual callers by testing to determine if said individual callers are entitled to access processing formats of said analysis structure--. Also, at lines 30-31, the recitation "to isolate a subset of said callers" is deleted.

Claims 144, 146, 147, and 148 are amended to recite consistent terminology and to conform with the changes to claim 141, where necessary.

Claim 150 is amended to further clarify that the call allocation routing capability is with the communication facility.

Claims 151, 152, 153, 159, 160, 172, and 173 are amended to recite consistent terminology or to address the lack of

antecedent bases. Claim 156 is amended to further clarify that access is limited --based on entitlement--.

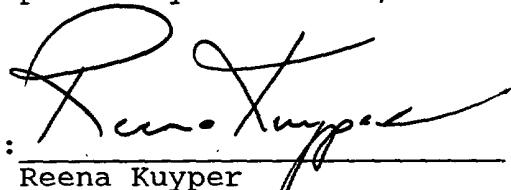
New claims 175-178 are added, all of which are dependent. In particular, claim 175 depends on claim 50 and recites where the --individual designation includes sequence data and other caller data--. Claim 176 depends on claim 56 and recites where --individual callers provide said at least one other distinct identification data element on-line, which is stored for subsequent use--. Claims 177 and 178 depend on claim 141. Claim 177 recites where --computer generated numbers indicate a sequence in which calls from said individual callers occur--. Claim 178 recites where the --analysis structure processes at least certain of said data relating to certain select ones of said individual callers to isolate a subset of said individual callers--.

Also, with this supplemental amendment, Applicant is contemporaneously submitting an information disclosure statement citing other documents of possible interest. Applicant became aware that U.S. Patent No. 4,908,850 to Masson was reexamined and learned of certain of the documents (cited on the attached Forms PTO-1449) from U.S. Patent No. B1 4,908,850 to Masson (reexamined). Applicant's intention to provide a record of these documents in Applicant's present application was indicated to Examiner Brown in a telephone conference. Other documents (cited on the attached Forms PTO-1449) were cited during prosecution of Applicant's other related applications.

Favorable consideration and allowance of this application is respectfully requested. In the event there are any outstanding issues that concern the Examiner, he is requested to call the undersigned to resolve them.

Respectfully submitted,

By:


Reena Kuyper
Registration No. 33,830

DARBY & DARBY P.C.
707 Wilshire Blvd., 32nd Floor
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Tel: (213) 243-8000
Docket No. 9002-1B670USE (prev. 6646-101NF)
6646\101nf\sup-am1

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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ronald A. Katz)
 Serial No.: 08/476,662)
 Filed: June 7, 1995) Examiner: T. Brown
 For: TELEPHONIC-INTERFACE) Art Unit: 2801 OCT 22 96
 STATISTICAL ANALYSIS SYSTEM) GROUP 2600
 Docket No.: 9002-1B670USE)
 (prev. 6646-101NF))

JMK
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 OCT 22 96
 GROUP 2600

TRANSMITTAL LETTER

707 Wilshire Blvd., 32nd Floor
 Los Angeles, CA 90017
 October 18, 1996

Assistant Commissioner
 for Patents
 Washington, D. C. 20231

Sir:

Transmitted herewith is a Supplemental Amendment, a
 Transmittal for Information Disclosure Statement, and an
 Information Disclosure Statement with accompanying Forms PTO-1449
 (6 pages).

The fee for claims has been calculated as shown:

	Claims Remaining After Amendment	Highest Number Previously Paid For	Extra Present	Rate			
Total	147	-	145	=	2	x 11	x 22 = \$ 44
Indep.	16	-	16	=	11	x 40	x 80 = \$ 0
							1st presentation of multiple dep. claim + 125 + 250 = \$ 0
							Total additional fee \$ 44

Serial No. 08/139,307, for the above-identified case.

The fee for claims has been calculated as shown:

Claims Remaining After <u>Amendment</u>	Highest Number Previously <u>Paid For</u>	Extra Present	Rate	Small Entity	Large Entity	Additional Fee
Total 145	- 21	= 124	x 11	x 22	= \$ 2,728	
Indep. 16	- 5	= 11	x 39	x 78	= \$ 858	
1st presentation of multiple dep. claim + 125						+ 250 = \$ 0
Total additional fee						\$ 3,586

A check in the amount of \$3,966 including the fees for the presentation of extra claims, the Petition for Extension of Time, as well as the submission of the Terminal Disclaimer is enclosed. Please charge any deficiencies in connection with this communication, including any filing fees under 37 C.F.R. §1.16 for the presentation of extra claims and any patent application processing fees under 37 C.F.R. §1.17, or credit any overpayment, to Deposit Account 04-0100.

Respectfully submitted,

By: 
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6646\101NF\TR2